

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Cancelled).
2. (Currently Amended) The terminal assembly of claim [[1]] 32, wherein the plastic ~~resin~~ is molded in situ.
3. (Currently Amended) The terminal assembly of claim [[1]] 32, wherein an adhesive is interposed between the plastic ~~resin~~ and the body.
4. (Currently Amended) The terminal assembly of claim 3, wherein an adhesive is interposed between the plastic ~~resin~~ and the pin.
5. (Cancelled).
6. (Currently Amended) The terminal assembly of claim [[5]] 4, wherein the adhesive is an electrically insulating epoxy.

7. (Currently Amended) A hermetic terminal assembly comprising:

~~a metallic body,~~ the body having a bottom portion, the bottom portion comprising an interior surface, an exterior surface and at least one opening having a wall;

~~a current-conducting pin extending longitudinally through the opening;~~

a prefabricated dielectric retainer ~~receiving the pin and covering at least a portion of~~ located adjacent to the interior surface of the bottom portion of the body and surrounding at least a portion of the wall, the retainer including at least one aperture therethrough;

a current-conducting pin extending longitudinally through the opening in the body and the aperture of the retainer; and

a dielectric epoxy bonding to the body, the retainer and the pin, and providing a seal between the pin and the opening in the bottom portion through which the pin is extending.

8. (Original) The terminal assembly of claim 7, wherein the exterior surface of the bottom portion includes a countersunk portion sealed with the epoxy.

9. (Currently Amended) The terminal assembly of claim ~~[[8]]~~ 7, wherein the retainer includes an annular countersunk portion adjacent to the aperture that is sealed with the epoxy.

10. (Currently Amended) The terminal assembly of claim 9, wherein the retainer includes a cavity communicating with the countersunk portion and sealed with the epoxy ~~through the interior surface of the bottom portion.~~

11. (Original) The terminal assembly of claim 7, further including an adhesive on the interior surface of the body.

12. (Original) The terminal assembly of claim 7, further including an adhesive on the exterior surface of the body.

13. (Original) The terminal assembly of claim 7, wherein the retainer is formed from a plastic resin.

14. (Original) The terminal assembly of claim 7, wherein the retainer is formed from a ceramic.

15. (Original) The terminal assembly of claim 9, wherein the countersunk portion receives at least a portion of the wall of the body.

16. (Cancelled).

17. (Currently Amended) The terminal assembly of claim [[16]] 34, further comprising a dielectric retainer placed over the pin and ~~under the~~ adjacent to an interior surface of the body.

18. (Original) The terminal assembly of claim 17, wherein the retainer includes an annular countersunk portion sealed with the epoxy.

19. (Original) The terminal assembly of claim 18, wherein the retainer includes a cavity communicating with the countersunk portion and sealed with the epoxy.

20. (Cancelled).

21. (Currently Amended) The terminal assembly of claim 17, further comprising an adhesive [[over]] covering at least a portion of [[the]] an exterior surface of the body.

22. (Currently Amended) The terminal assembly of claim 17, further comprising an adhesive [[over]] covering at least a portion of the interior surface of the body.

23. – 29. (Cancelled)

30. (Currently Amended) The terminal assembly of claim [[1]] 32, wherein the plastic ~~resin~~ is selected from the group consisting of polyphenyl sulfide, liquid crystalline polymers, polypropylenes, thermoplastic polyolefins, and polyvinylchlorides.

31. (Currently Amended) The terminal assembly of claim [[1]] 32, wherein the plastic ~~resin~~ is epoxy.

32. (New) A hermetic terminal comprising:
a body comprising an interior surface, an exterior surface, at least one opening, and an annular recess located in the exterior surface adjacent to the opening;
a current conducting pin extending longitudinally through the opening; and
a dielectric plastic covering at least portions of each of the interior surface, the opening and the annular recess of the body, the plastic bonding to both the body and the pin and providing a hermetic seal between the pin and the opening.

33. (New) The terminal of claim 32 wherein the hermetic seal is of at least about 1×10^{-6} atm cc/sec He.

34. (New) A hermetic terminal comprising:

a body comprising at least one opening therethrough and an annular recessed portion located adjacent to the opening in an exterior surface of the body;

a current-conducting pin extending through the opening; and

a dielectric epoxy disposed in the opening and in the annular recessed portion, the epoxy bonding to the body and the pin and providing a hermetic seal between the body and the pin.

35. (New) The terminal of claim 34 wherein the hermetic seal is of at least about 1×10^{-6} atm cc/sec He.